

OBRUCHEV, S. V., Prof

PA 5/49T10

USSR/Aeronautics
Flight Tests
Flight Training

May 48

"US and British Flight Research and War Games in the Arctic, 1945 - 1947," Prof S. V. Obruchev, 2 pp

"Priroda" No 5

Considers maneuvers as part of US and British plans for world domination; however, results described are of scientific interest. Bibliography contains only US or British sources.

5/49T10

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Editorial Bd., Priroda

GBRUCHEV, S. V.

"Petroleum in Germany," Priroda, No 7, 1948.

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CBRUCHEV, S. V.

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OBRUCHEV, S. V.

"Shells Transported by Birds," (US) Priroda, No 7, 1948.

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OSBUCHEV, Sergei Vladimirovich, 1891-

(A manual for travelers and regional study specialists) Moskva, Gos.
izd-vo georg. lit-ry, 1949-

G150.S65

OBRUCHEV, SERGEI VLADIMIROVICH

OBRUCHEV, SERGEI VLADIMIROVICH. Spravochnik puteshestvennika i kraeved. Vol. 1. Moskva, Geografiz, 1949. 808 p.

SO: LC, Soviet Geography, Part I, 1951, Uncl.

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"An Expedition from Peru to Polynesia on a Raft," Priroda, No. 1, 1961.

OBRUCHEV, Sergey Vladimirovich

"The Secrets of Snake Charmers," Priroda No. 2, 1947.

GBRUCHEV, Sergey Vladimirovich

"Mass Extinction of Toothed Whales along the Argentine Coast," Priroda No. 3, 1949.

OBRUCHEV, Sergey Vladimirovich

"The Structure of the Bottom of the Atlantic Ocean," Priroda No 4, 194.

OBRUCHEV, Sergey Vladimirovich

"New Data on Paricutin," Priroda No 5, 1947.

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"Extinction of Sinantropus Remains," Priroda No. 5, 1941.

OBRUCHEV, Sergey Vladimirovich

"The Tectonics of the Western Part of the Sayan-Baikai Caledonian Zone of
Folds," Dok. AN SSSR No 5, 1947.

177140

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USSR/Geophysics - Stratigraphy

Nov/Dec 50

"The Pre-Cambrian of Eastern Sayan and Khamar-Daban:
Stratigraphy and Magmatism," M. L. Lur'ye, S. V.
Obruchev

"Iz Ak Nauk SSSR, Ser Geol" No 6, pp 77-91.

On the basis of personal investigations conducted
in Sayan-Tuva Highlands and in western Khamar-Daban,
authors briefly outline stratigraphy and magmatism
of the Pre-Cambrian. Distinguishes 3 formations
with total thickness of 23 km: lower is gneiss and
crystallic schist; middle is same with carbonate
rocks; and upper is fine granular metamorphic rocks.

17740

Geography & Geology

Study your country; a book for the young student of local lore; Leningrad, Molodnaya
gvardia, 1951.

Monthly List of Russian Accessions, Library of Congress, May 1952. UNCLASSIFIED.

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On 10/10/54, S. V. Obruchev, a member of the staff of the Ministry of the Interior, was interviewed by the author of this report. The following information was obtained from the interview:

Subject: Obruchev, S. V. (1914-1954)

Further remarks on the Obruchev family description: Obruchev, S. V. was a member of the staff of the Ministry of the Interior and was interviewed by the author of this report.

Meteorological Abst.
Vol. 4 No. 3
March 1953
Climatology and Bio-
climatology

① Geo

4.3-256 ✓ 551.583.3:529:551.461
Obruchey, S. V., *Khronologiya lednikovyykh epokh po probam morskikh gruntov.* [Chronology of the ice ages as determined by samples of sea bottoms.] *Priroda*, Moscow 40(12):40-41, Dec. 1951. MAB—On the basis of a 15.4 m core sample taken from the bottom of the Caribbean Sea by the Swedish "Albatross" oceanographic expedition and assuming a rate of deposition of foraminifera of 1 cm per 1000 yrs it appears that the duration of the Quaternary age was approximately 1.5 million yrs as compared with the accepted figure of about 1 million yrs. The author suggests that, on the basis of the approximate agreement between variations in the water temperature in the Caribbean and known variations of the Ice Age in North America could provide information on the duration of the Quaternary Age. *Subject Headings:* 1. Glacial periods 2. Ocean floors 3. Chronology 4. Bottom samples 5. Oceanographic expeditions 6. Caribbean Sea.—*J.L.D.*

OBRUCHEV, S. V.

USSR/Geophysics - Cambrian Stratigraphy Jan/Feb 52

"Stratigraphy of the Cambrian of East Sayan and the Dzhida Basin," M. L. Lur'ye, S. V. Obruchev

"Iz Ak Nauk SSSR, Ser Geol" No 1, pp 89-106

Summarizes the Cambrian stratigraphy on the basis of numerous works of the authors in East Sayan and in the Dzhida Basin and also on the basis of data in the literature. The Cambrian of this region possesses geosynclinal character and great thickness. Reveals 2 sharply different facies: Okinsk and Dzhidinsk (Oka and Dzhida).

205T68

LUR'E, M. L., GBRUCHEV, S. V.

Geology - Tannu Tuva

Stratigraphy of the Cambrian of Eastern Saian and Dzhida Basin., Izv. AN SSSR. Ser. geol.,
no. 1, 1952.

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4. Geology - Siberia, Central
7. Some terms pertaining to the Tunguska Basin and the Central Siberian Plateau, Izv. AN SSSR. Ser. geol. no. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

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Aerial photography in Canada. Izv. Vses. geog. ob-va 85 no.3:295-296 My-
Je '53. (MLBA 6:6)

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ing)

OBRUCHEV, S.V.

Transportation of rock particles by sea lions. Izv.Vses.geog.ob-va 85 no.4:
474-475 J1-Ag '53. (MLA 6:8)
(Seals (Animals))

OBRUCHEV, S.V.

Eastern part of the Sayan-Tuva upland during the Quaternary Period. Izv.Vses.
geog.ob-va 85 no.5:533-546 S-0 '53. (MLBA 6:10)
(Tanmu-Tuva--Paleogeography) (Paleogeography--Tanmu-Tuva)
(Sayan Mountains--Paleogeography) (Paleogeography--Sayan-Tuva)

OBRUCHEV, Sergey Vladimirovich; BOYARKINA, V., redaktor; KIRILLINA, L.,
tekhnicheskii redaktor.

[To unexplored territories; travels to the North in 1917-1930] v
neizvedannye kraia; puteshestvia na Sever 1917-1930 gg. Moskva,
Izd-vo TsK VLESM "Molodaia gvardiia," 1954. 269 p. (MIRA 8:4)
(Russia, Northern--Discovery and exploration)

OBRUCHEV, S. V.

4351. OBRUCHEV, S. V. v neizvedaniyye kraya. puteshestviya na sever. 1917-1930
GG. (M.), "Moi. Gvardiya", 1954. 272 s. s ill. i kart., 16 L. ill., 1 L
kart. 23 sm. 90.000 ekz. 8R. 10K. V per.--(54-58378)p
91(57)04

SO: Knizhnaya Letopsis', Vol. 1, 1955

OBREUCHEV, S.V.

Traces of the "snow man" in the Himalayas. Izv.Vses.geog.ob-va no.1:
71-7) Ja-F '55. (MLRA 8:4)
(Himalaya Mountains)

DRUGOVA, G.M.; LUR'YE, M.L.; OBRUCHEV, S.V.

Pre-Cambrian of northeastern Tuva. *Trudy Lab.geol.dokem. no.5:*
255-314 '55. (MLRA 9:1)
(Tuva Autonomous Province--Geology, Stratigraphic)

LUR'YE, M.L.; OBRUCHEV, S.V.

Main features of effusive volcanism of the trapp formations in the
Siberian Platform. Mat. VSEGEI no.7:159-206 '55. (MLRA 10:4)
(Siberian Platform--Rocks, Igneous)

POKSHISHEVSKIY, V.V., doktor geograficheskikh nauk

Journey "Into unknown territories." S.V. Obruchev. Reviewed by
V.V. Pokshishevskii. Vokrug sveta no. 9:60-61 S¹55. (MIRA 8:12)
(Russia, Northern--Description and travel) (Obruchev, Sergei
Vladimirovich, 1891-)

OBRUCHEV, S.V.

Ascent of Everest in 1953. Izv.Vses.geog.ob-va 87 no.1:31-41 Ja-F
'55. (MIRA 8:4)
(Everest, Mount)

OBRUCHEV, Sergey Vladimirovich; GRISHINA, L.I., redaktor; VILEMSKAYA, E.N.,
tekhnicheskiy redaktor

[Over mountains and tundras of the Chukchi National Area; the expedi-
tion of 1934-1935] Po goram i tundram Chukotki; ekspeditsiia 1934-
1935 gg. Moskva, Gos.izd-vo geogr. lit-ry, 1957. 196 p.
(Chukchi National Area) (MLRA 10:10)

454-727 S.V.

SUBJECT: INDIA/The snow Man of the Himalayas 25-6-45/46

AUTHOR: Obruchev, S.V., Corresponding Member of the USSR Academy of Sciences

TITLE: The Secret of the Himalaya Mountains (Tayna Gimalayev)

PERIODICAL: Nauka i Zhizn' - June 1957, # 6, p 63 (USSR)

ABSTRACT: Two readers of "Nauka i Zhizn'" want to know if the Snow Man really exists. Academician Obruchev gives an account of the various facts obtained by members of Himalaya expeditions of the Snow Man's characteristics and habits. Although his tracks were seen on different occasions, only one European has ever seen him walking at a far away distance. The author refers to the possibility of the Snow Men inhabiting also the high mountains in the USSR. Nothing definite, however, can be said as long as there are no facts of the Snow Man having been observed in the Pamir or Tyan'-Shan' mountains.

The article contains 1 photo.

Card 1/2

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New data on the snowman (Yeti). Izv.Vses.geog.ob-va 89 no.4:339-343
J1-Ag '57. (MIRA 10:10)

(Yeti)

ORUCHEV, S.V.; MIROSHNICHENKO, V.A.; BUYANTUYEV, B.R., red.; MISNIKOV,
V.V., tekhn.red.

[The mineral spring "Milova Pustyn" and its therapeutic importance]
Mineral'nyi istochnik "Milova pustyn'" i ego lechebnoe znachenie.
Ulan-Ude, Buriatskii kompleknyi nauchno-issl.in-t, 1959. 31 p.
(MIRA 14:1)

(Buryat-Mongolia--Mineral waters)

OBRUCHEV, S.V.

Floored valleys in areas of mountain glaciers. Sov. geol. 2 no.6:65-77
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1.Geograficheskoye obshchestvo SSSR.
(Valleys)

OBRUCHYV S.K.

Metamorphosed conglomerates with spindle-shaped pebbles in the
Eastern Sayan and Khamar-Daban Mountains. Trudy Lab.geol dokem.
no.9:330-335 '59. (MIRA 13:11)

(Sayan Mountains--Conglomerate)
(Khamar-Daban Mountains--Conglomerate)

OBRUCHEV, S.V.

Unknown "arshans" (mineral springs) in the Oka "aimak" (district)
(Eastern Sayan). Trudy BKNII no.2:79-83 '60. (MIRA 14:10)
(Oka Valley (Sayan Mountains)—Mineral waters)

OBRUCHEV, S.V.

I.V.Sumin's studies of Pre-Cambrian areas; on the 5th anniversary
of his death. Trudy Lab. geol. dokem. no.11:117-120 '60.
(MIRA 14:1)

(Khamar-Daban Range--Geology)
(Sumin, Ivan Vasil'evich. 1920-1955)

ARMAND, D.L.; BARANSKIY, N.N.; OBRUCHEV, S.V.

The international language problem in scientific contacts and
scientific work in geography. Izv. Vses. geog. ob-va 93 no.4:
297-303 J1 - Ag '61. (MIRA 14:7)
(Esperanto) (Geography--Terminology)

BUZIKOV, I.P.; OBRUCHEV, S.V.

Recent data on Proterozoic stratigraphy of the Tunkinskiye Gol'tsy
in the Eastern Sayans. Dokl. AN SSSR 137 no.4:919-922 Ap '61.
(MIRA 14:3)

1. Geologicheskii muzey im. A. P. Karpinskogo AN SSSR. 2. Chlen-
korrespondent AN SSSR. (for Obruchev).
(Tunkinskiyê Gol'tsy Range—Geology, Stratigraphic)

OBUCHEV, S.V.

Notes on the Pre-Cambrian of the Siberian Platform. Trudy VSGI
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(Siberian Platform--Geology, Stratigraphic)

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365 J1-Ag '62. (MIRA 15:9)

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OBRUCHEV, S.V., otv. red.; SOCHAVA, V.B., red.; SEPPING, N.G., red.;
PECHERSKAYA, T.I., tekhn. red.

[A.L.Chekanovskii; collected unpublished materials of A.L. Chekanovskii and articles on his scientific work] A.L. Chekanovskii; sbornik neopublikovannykh materialov A.L. Chekanovskogo. Stat'i o ego nauchnoi rabote. Irkutsk, Irkutskoe knizhnoe izd-vo, 1962. 363 p. (MIRA 17:3)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut geografii Sibiri i Dal'nego Vostoka. 2. Chlen-korrespondent AN SSSR (for Obruchev, Sochava).

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 M.I.; RAVICH, M.G.; POSPELOV, A.G.; NIKOLAYEV, A.A.;
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 A.N.; NIFITINA, L.P.; NIKOLAYEV, V.A.[deceased]; OBRUCHEV,
 S.V.; SAVEL'YEV, A.A.; SEDOVA, I.S.; SUDOVNIKOV, N.G.;
 KHIL'TOVA, V.Ya.; NAGIBINA, M.S.; SHEYNMANN, Yu.M.;
 KUZNETSOV, V.A.; KUZNETSOV, YU.A.; BORUKAYEV, R.A.;
 LYAPICHEV, G.F.; NALIVKIN, D.V., glav. red.; VERESHCHAGIN,
 V.N., zam. glav. red.; MENNER, V.V., zam. glav. red.;
 OVECHKIN, N.K., zam. glav. red.[deceased]; SOKOLOV, B.S.,
 red.; SHANTSER, Ye.V., red.; MODZALEVSKAYA, Ye.A., red.;
 CHUGAYEVA, M.N., red.; GROSSGEYM, V.A., red.; KELLER, B.M.,
 red.; KIPARISOVA, L.D., red.; KOROEV, M.A., red.;
 KRASNOV, I.I., red.; KRYMGOL'TS, T.Ya., red.; LIBROVICH,
 L.S., red.; LIKHAREV, B.K., red.; LUPPOV, N.P., red.;
 NIKIFOROVA, O.I., red.; POLKANOV, A.A., red.[deceased];
 RENGARTEN, V.P., red.; STEPANOV, D.L., red.;
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Fruitful thoughts. Ibid.:54

(MIRA 16:12)

OBRUCHEV, S.V.

Correlation of the Proterozoic of the fold margin of the Siberian
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red.; NEYELOV, A.N., kand. geol.-miner. nauk, red.;
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[Absolute age of Pre-Cambrian rocks in the U.S.S.R.]
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(MIRA 18:1)

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birthday; 1863-1956. Izv.Vses.geog.ob-va 96 no. 2:159-163
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otv. red.; PRIKHOD'KO, L.I., red.

[Popular geology] Zanimatel'naia geologiia. Moskva,
Nauka, 1965. 342 p. (MIRA 18:10)

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Basic characteristics of the Pre-Cambrian and Lower Paleozoic history of the development of main structural elements in the southeastern part of the Eastern Sayan Mountains. Izv. AN SSSR. Ser. geol. 30 no.3:73-80 Mr '65. (MIKA 18:3)

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red.; NEVSKIY, V.V., kand. geogr. nauk, red.; RODIN, L.Ye.,
prof., red.; USPENSKIY, L.V., doktor biol. nauk, red.;
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DK851.032

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A.M.Volkov; obituary. Izv. AN SSSR Ser.geog. no.6:106-107 N-D '54.
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(MIRA 7:12)

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V.A. Obruchev's answers to the questionnaire of the Central
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From the archives of Academician V.A. Obruchev. (48-50)
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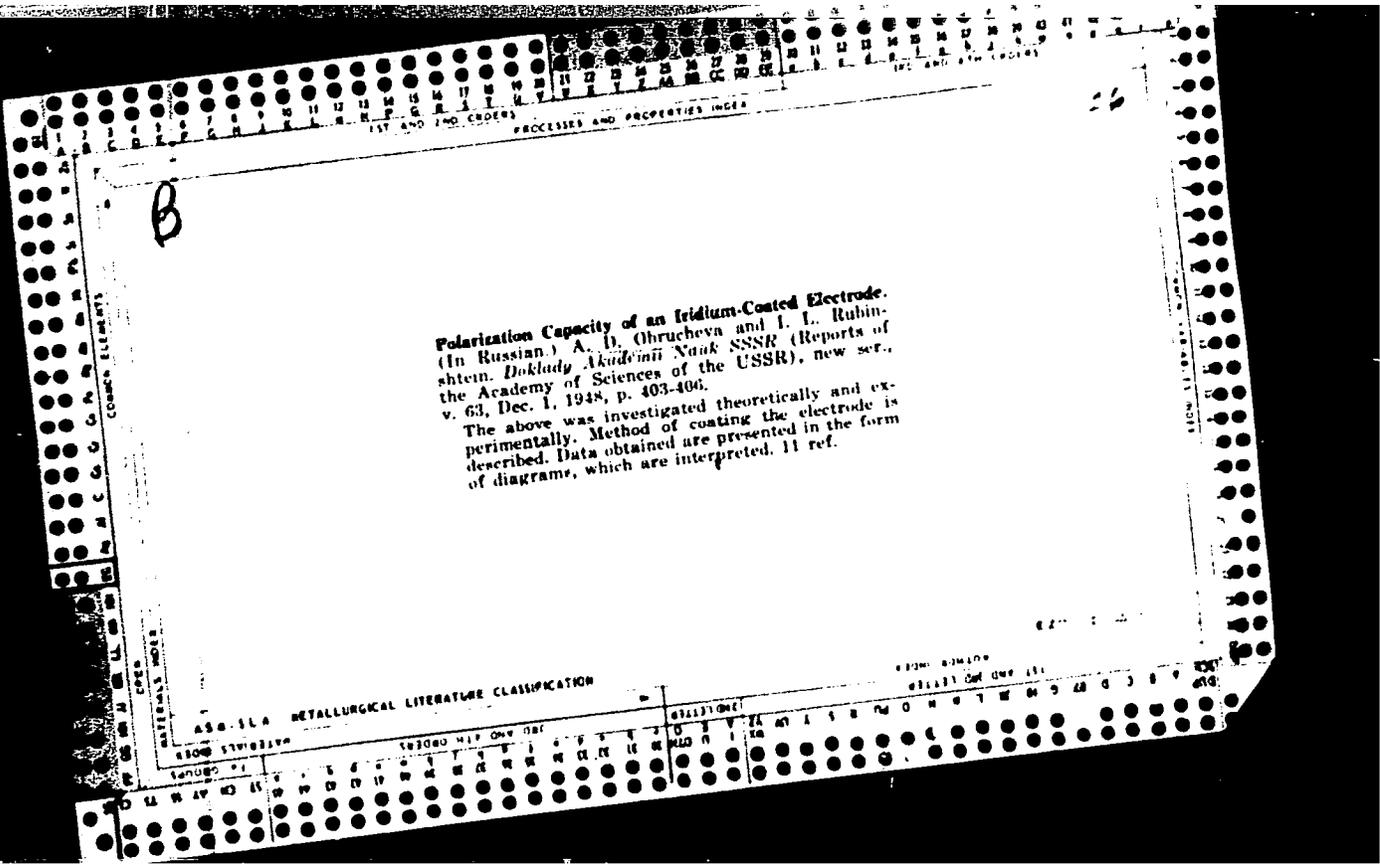
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95 no.5:472-473 3-0 '63. (MIRA 16:12)

OBRUCHEV, V.V., kand. geol.-mineral. nauk (Moskva); ZALESSKIY, Yu.M. (deceased]
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1. OBRUCHEVA, A. D.
2. USSR (600)
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Yakobi, Boris Semenovich, 1861-1874.

B. S. Yakobi's works in the field of chemical sources of current. *Elektrichestvo*
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AUTHOR: Obrucheva, A. B.

SOV 75-32-3-12 25

TITLE: Investigation of the Adsorption of Ions on Platinized Platinum
by Measuring the Adsorption Potentials (Izsledovaniye
adsorbtsii ionov na platinirovannoy platine izmereniyem
adsorbtsionnykh potentsialov)

PERIODICAL: Zhurnal fizicheskoy khimii, 1958, Vol 32, Nr 9, pp 2100-1001
(USSR)

ABSTRACT: The adsorption of Cl^- , Br^- , I^- , and Tl^+ on platinized platinum was investigated. In doing so the jump in potential of the electrode was directly measured (Figs 2,3). The adsorbability increases in going from chloride to iodide, while Tl^+ is adsorbed at least as strongly as iodide. The change in potential bears an almost linear relationship toward the logarithm of the concentration of the ions being adsorbed (Figs 1,8). Using 0,1 n KBr solutions the author determined the dependence of the jump in potential upon the value of the initial potential (Fig 4). The influence of adsorbed bromide, iodide, and thallium ions upon the shape of the anode charge curves was investigated (Figs 5,6, and 7). By taking measurements for this charge curve it is possible to follow the desorption of the

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the Adsorption Potentials

ions from the platinum electrode. In spite of washings with sulfuric acid distortions appear in the curve as a result of thallium ions which have penetrated deep into the surface of the metal of the electrode. The results of the experiment are compared with measurement results obtained using a mercury electrode.

The author thanks Prof. A. N. Frumkin for his encouragement and advice. There are 8 figures, 1 table, and 20 references, 17 of which are Soviet.

ORIGIN: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: April 18, 1957

AUTHOR: Obrucheva, A. D. SOV/20-120-5-40/67

TITLE: An Investigation of the Adsorption of Cations on Platinized Platinum by Measuring the Adsorption Potentials (Issledovaniye adsorbtsii kationov na platinirovannoy platine metodom izmereniya adsorbtsionnykh potentsialov)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 120, Nr 5, pp. 1072 - 1075 (USSR)

ABSTRACT: The potential displacement is well suited as an approximate measurement of specific adsorption. The variation of the shape of the curves of the anodic charge served as a further measurement for the adsorption and for the degree of the desorption of cations. This is a study of the specific adsorption of lead-, zinc-, and cadmium-ions by these methods. These ions shift the potential of the electrode towards positive values. The adsorption equilibrium was practically attained after 20-60 minutes. The potential displacement in the adsorption of lead amounted to 0,46 V at an initial value of 0,3 V of the potential. The potential shift amounted to + 0,32 V, when the adsorption took place from a 0,1 N solution of $CdSO_4$, the initial value

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An Investigation of the Adsorption of Cations on SOV/20-120-5-40/67
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being 0,3 V. The unusual shape of the curve of anodic charge in a CdSO_4 solution indicates a considerable strengthening of the binding between the hydrogen and the metal. In the case of a platinum electrode in solutions of cadmium chloride and cadmium iodide the sign of the potential shift caused by the adsorption is dependent upon the initial potential. Greater positive values of the initial potential always favor the adsorption of the anion and inhibit the adsorption of the cation. The curves of anodic charge obtained in the presence of CdCl_2 indicate the existence of rigidly bound hydrogen, and the shift of the beginning of oxidation towards more anodic values. The curve of anodic charge in a CdJ_2 solution was traced only up to 0,55 V as at a higher anodic potential an oxidation takes place. In the case of Zn^{2+} the potential shifts caused by the adsorption were smaller than with the other cations under consideration. An adsorption of Li^+ , Cs^+ , Sr^{2+} and Ba^{2+} could neither be found from a distortion of the curves

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of anodic charge nor from a potential shift. The author thanks for valuable suggestions made by A.N.Frumkin, Member, Academy of Sciences, USSR. There are 4 figures, 1 table, and 5 references, 5 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im.M.V.Lomonosova (Moscow State University imeni M.V.Lomonosov)

PRESENTED: March 4, 1958, by A.N.Frumkin, Member, Academy of Sciences, USSR

SUBMITTED: February 19, 1958

1. Cadmium ions--Adsorption 2. Lead ions--Adsorption 3. Zinc ions--Adsorption
4. Platinum--Adsorptive properties 5. Platinum electrodes--Electrochemistry

Card 3/3

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Effect of adsorbed oxygen and hydrogen on potential adsorption changes at a platinum electrode. Dokl. AN SSSR 141 no.6:1413-1415 D '61. (MIRA 14:12)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
Predstavleno akademikom A.N.Frumkinym.
(Adsorption) (Electromotive force)

OBRUCHEVA, A.D.

Measurement of adsorption potentials on a smooth platinum electrode.
Dokl. AN SSSR 142 no.4:859-861 F '62. (MIRA 15:2)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
Predstavleno akademikom A.N.Frumkinym.
(Electrodes, Platinum)
(Electromotive force)

OBPUCHEVA, N.V.

Determining the rate of division and elongation of root cells.
Fiziol. rast. 11 no.4:746-748 51-Ag 1964.

(MIRA 19:111)

1. Kafedra fiziologii rasteniy Moskovskogo gos. inzhenernogo
universiteta imeni Lomonosova.

OBRUCHEVA, N. V.

Enzyme systems of mycorrhiza fungi. B. A. Rubin and N. V. Obrucheva (M. V. Lomonosov State Univ., Moscow). *Doklady Akad. Nauk S.S.S.R.* 95, 337-40(1954).—Biochem. differences in the enzyme systems of various species of fungi greatly exceed the differences found in the higher plants (cf. C.A. 46, 2632e, 8189c). Thus the β -amylase activity in *Boletus luteus* ranges from 380 (mg. maltose per day) in the mycelium to 137 in the body; in *B. edulis* the range is 630 in mycelium and 9.8 in the body; in *B. subtomentosus* it is 43.7 in the body. Invertase activity (mg. glucose per day) is 18.7 in *B. luteus* body and 150 in mycelium while it is absent in *B. edulis* mycelium and is low in the body (10.4) and is absent in *B. subtomentosus*. Proteases are absent in all species. Cellulase appears only in *B. luteus* mycelium. *B. luteus* mycelium shows high respiration rate, its body a relatively low rate, the other species showing a similar trend. Ascorbic acid oxidase is present only in the body of *B. edulis*, while pyrogallol oxidase and catechol oxidase are found very active only in *B. edulis* mycelium and in *B. subtomentosus*; hydroquinone oxidase is absent in all 3 species. Residual respiration is 100% in *B. luteus* body, 0% in its mycelium; it is 42% in the body of *B. edulis* and 78% in its mycelium, it is 62.5% in *B. subtomentosus*. Peroxidase activity was found only in the latter. Catalase is active in all 3 species, being highest in mycelium, particularly of *B. luteus*. Ascorbic acid ranges from 73.8 mg. % in the body of *B. luteus* to 515 in its mycelium, 660 in the body of *B. edulis* and 357 in its mycelium, and 160 in *B. subtomentosus*. C. M. Kosolapoff

RUBIN, B.A. (Moskva); OBRUCHEVA, N.V. (Moskva).

Physiology of mycotrophic nutrition in arborescent plants.
Usp.sevr.biol.40 no.2:192-210 S-O '55. (MLBA 9:2)
(PLANTS--NUTRITION) (MYCORRHIZA)

OBRUCHEVA, M.V.

Studying the vertical and horizontal gradient of physiological properties in root tissues. Report No.1: Characteristics of the respiration of root tissues. Nauch.dokl.vys.shkoly; biol.nauki no.1:155-161 '58 (MIRA 11:8)

1. Predstavlena kafedroy fiziologii rasteniy Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.
(ROOTS (BOTANY))
(RESPIRATION)

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Dissertations defended at the Institute of Plant Physiology imeni K. A. Timiryazev for the academic degree of Candidate of Biological Sciences:

"Physiological Characteristics of Root Growth Zones."

Vestnik Akad Nauk, No. 4, 1963, pp. 119-145

IVANOV, V. P.; OBRUCHEVA, N. V.

"Study of metabolism in growing root tip cells."

report submitted for 10th Intl Botanical Cong, Edinburgh, 3-12 Aug 64.

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Determination of the number of cells by Brown's method.
Fiziol. rast. 11 no. 3:551-552 '64. (MIRA 17:7)

1. Biologo-pochvennyy fakul'tet Moskvskogo gosudarstvennogo universiteta.

OBRUCHEVA, Nataliya Vladimirovna; IVANOV, V.B., kand. biol. nauk,
otv. red.; VASIL'YEVA, L.N., red.

[Physiology of growing root cells. Fiziologiya rastushchikh
kletok kornia. Moskva, Nauka, 1965. 109 p.

(MIRA 18:9)

OBRUCHEVA, O.P.

Upper Devonian cocosteids of the main beds. *Biul. MOIP. Otd.*
geol. 29 no. 5:93 S-0 '54. (MLBA 8:1)
(Fishes, Fossil)

OBRUCHEVA, O. P.

USSR/Geology - Paleontology

Card : 1/1

Authors : Obrucheva, O. P.

Title : ~~Plourdosteus~~ Type of Plourdosteus (Arthrodira) from upper Devonian period of USSR

Periodical : Dokl. AN SSSR, 96, Ed. 5, 1055 - 1056, June 1954

Abstract : Material collected at the Paleontological Institute of the AN SSSR on Plourdosteus type (Devonian era fish), Coccosteus, C. Trautscholdi and C. mironovi types is analyzed. Five references. Graph.

Institution :

Presented by : Academician, E. N. Pavlovskiy, April 5, 1954

OBRUCHEVA, O.P.

Remains of Dinichthys (Arthredira) from the upper Devonian of the
U.S.S.R. Dokl. AN SSSR 108 no.2:333-336 My '56. (MIRA 9:9)

1. Predstavlena akademikom Ye.N. Pavlevskim.
(Fishes, Fossil) (Placodermi)

OBRUCHEVA, O.P.

Stratigraphic distribution of Coccosteids and Dinichthyids in the
Devonian of the U.S.S.R. *Izv.vys.ucheb.zav.: geol.i razv.* 2
no.8:43-47 Ag '59. (MIRA 13:4)

1. Moskovskiy universitet, geologicheskii fakul'tet, kafedra
paleontologii. (Arthrodira)

OBRUCHEVA, O.P.

Two species of *Plourdosteus* (*arthrodira*) from upper Devonian deposits of the U.S.S.R. Paleont.zhur. no.3:78-94 '59.
(MIRA 13:4)

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(Placodermi)

OBRUCHEVA, O.P.; ORLOV, Yu.A., akademik, red.; DRUSHCHITS, V.V., dots.,
red.; LAZAREVA, L.V., tekhn. red.

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DRUSHCHITS, Vladimir Vasil'yevich; OBRUCHEVA, Ol'ga Pavlovna; MENNER, V. V., prof.,
retsensent; GOLEV, B.G., dots., retsensent; ORLOV, Yu.A., prof., red.;
PETROVA, K.A., red.; YERMAKOV, M.S., tekhn. red.

[Paleontology]Paleontologiya. Pod red. IU.A.Orlova. Moskva,
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gosudarstvennogo universiteta (for Drushchits). 2. Zaveduyushchiy
kafedroy paleontologii geologicheskogo fakul'teta Moskovskogo
gosudarstvennogo universiteta (for Orlov).
(Paleontology)

OBRUCHEVA, O.P.

Fishes of the Central Devonian field. *Biul. MOIP. Otd.geol.* 37
no.3:129 My-Je '62. (MIRA 15:10)
(Voronezh Province—Fishes, Fossil)
(Orel Province—Fishes, Fossil)

OBRUCHEVA, O.P.

New data on the structure of the central portion of the
cranial tegmen of the genus *Plourdosteus* (Arthrodira).
Biol. MOIP Otd. geol. 37 no.6:133-134 N-D '62.
(MIRA 16:8)

OBRUCHNIKOV, Ye.A., inzh.

Regular features in principle processes of electrical technology.
Trudy MIMESH 12:157-170 '60. (MIRA 13:9)
(Electric engineering)

OBRUCHNIKOV, Ye.A., inzh.

Investigating welding operations in feeding by pulse generators.
Trudy MIMESKH 12:171-183 '60. (MIRA 13:9)
(Electric welding)

S/117/61/000/001/004/013
A004/A001

AUTHOR: Obruchnikov, Ye. A.

TITLE: Using to a Greater Extent Electric Pulse Machines for Repair Works

PERIODICAL: Mashinostroitel', 1961, No. 1, pp. 11-13

TEXT: The author points out that the МПИ (MGI) pulse generators, originally devised for piercing and erosion operations in connection with the copying-piercing machines of the models 473 and 4A722, can be also used in repair shops for welding, build-up, strengthening and plating operations, when they are fed from the interelectrode space of the electric pulse erosion machines. Welding tests which were carried out with ЦМ-7 (TsM-7) and OMM-5 electrodes 3 - 5 mm in diameter with the MGI-2 generator and with electrodes up to 6 mm in diameter with the MGI-3 generator showed that the welding quality is the same as with other feed sources. If the MGI-2 generator replaces a welding transformer, it is necessary to have a 0.10 - 0.11 ohm ballast resistor calculated for a current power of 100 amp, a ПМ-70 (PM-70) amperemeter up to 300-500 amp with shunt, a 10 kw electromotor of 3,000 rpm for the generator and the starting equipment for the electromotor: an 11 kw magnet starter with button panel and fuses; a 5 amp,

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A004/A001

Using to a Greater Extent Electric Pulse Machines for Repair Works

220 v selenium rectifier for feeding of the excitation winding and the laboratory $\sqrt{A}TP-1$ (LATR-1) autotransformer. The setting of the generators can be effected according to the current magnitude of a short-circuit by the PM-70 d-c ammeter. The magnitude of the medium current during welding is approximately half of the short-circuit current magnitude. The safe short-circuit current magnitude for the generators is equal to the doubled magnitude of the rated current. Welding is taking place with a short arc, up to 5-6 mm, for all space positions (lower, vertical and overhead) of seams. Based on the test data, the welding conditions for operations with the MGI-2 generator are presented in the following table:

Table:

1) thickness of steel sheets in mm; 2) kind of welding operation; 3) parameters of the process; 4) electrode diameter in mm; 5) gray cast iron; 6) welding of horizontal seams and build-up of beads; 7) welding of vertical seams and build-up of beads; 8) welding of overhead seams and build-up of beads; 9) cutting; 10) note: for the welding of cast iron copper electrodes 4 mm in diameter with tin-plate wrappers were used, which were coated with cement, magnesium and barium.

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Using to a Greater Extent Electric Pulse Machines for Repair Works

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A004/A001

Table:

Вид сварочных работ 2)	Параметры процесса 3)	1) Толщина стальных листов в мм												Серия чугуна 5)		
		4) Диаметр электрода в мм														
		1	2	3	4-8	8-12										
		3	3	3	4	3	3	4	3	4	5	3	4	4		
6) Сварка горизонтальных швов и наплавка валиков	$I_{ср}$ ампер	40	60	50	75	90	60	90	100	90	100	120	90	110	120	
	$U_{ср}$ вольт	14	14,5	14	15	16	14,5	16	16	16	16	18	16	17	18	
7) Сварка вертикальных швов и наплавка валиков	$I_{ср}$ ампер				60			60	80	70	80	100				
	$U_{ср}$ вольт				14,5			14,5	15	15	15	16				
8) Сварка потолочных швов и наплавка валиков	$I_{ср}$ ампер				80			60	90	80	100	110				
	$U_{ср}$ вольт				15			14,5	16	15	16	17				
4) Резка	$I_{ср}$ ампер							100		100			100			
	$U_{ср}$ вольт							20		20			20			

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10) Примечание: Для сварки чугуна употреблялись медные электроды диаметром 4 мм с оболочкой из белой жести, обмазанные цементом, магнием и берилем.